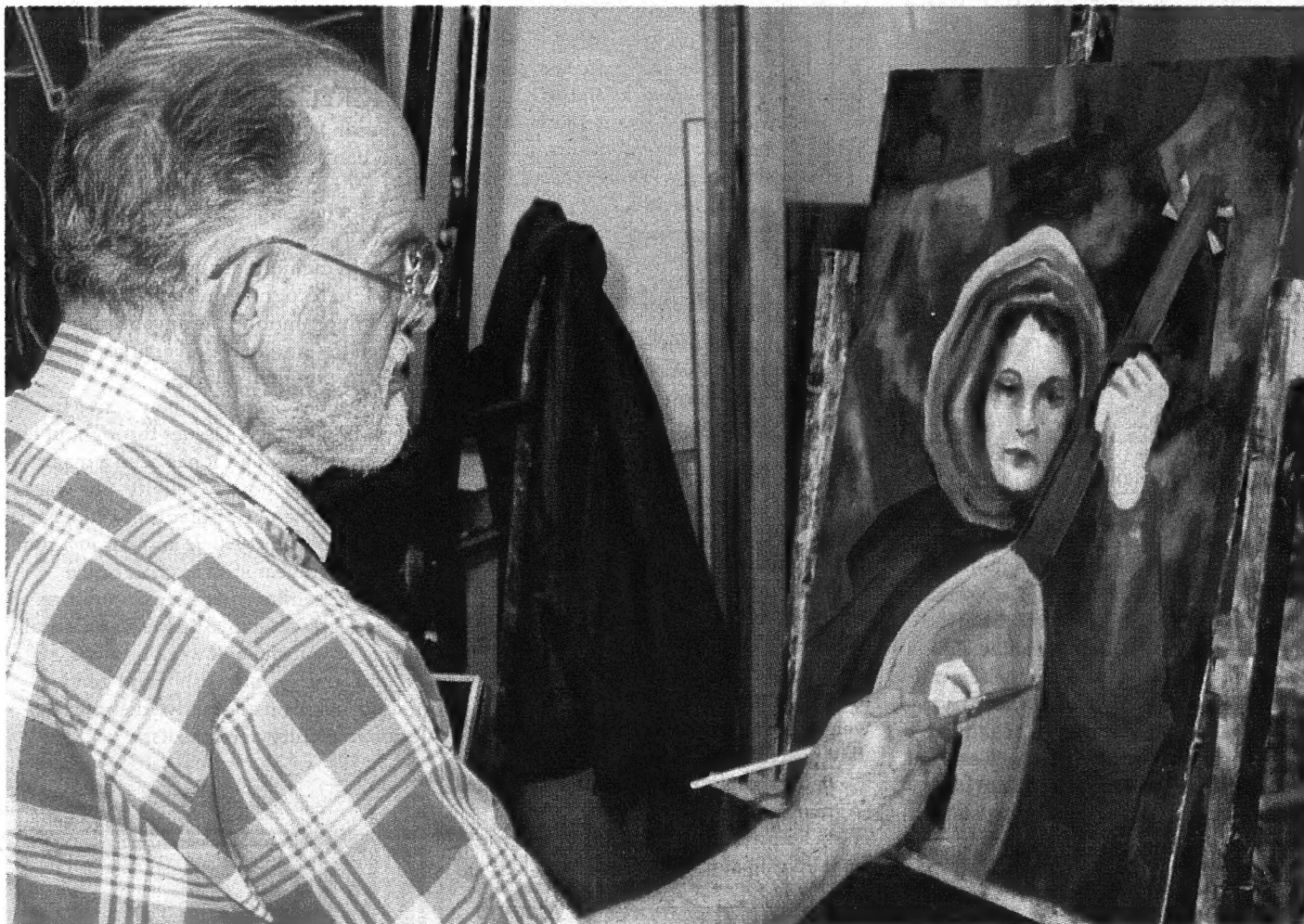


# FOLIO

UNIVERSITY  
OF ALBERTA  
EDMONTON

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*A little dab'll do it—Don Pimm puts the finishing touches on "The Lute Player" during an oil and acrylics painting class at the University of Alberta's Extension Centre. Pimm is one of 313 participants on campus for the Faculty of Extension's Spring Session for Older Adults designed for learners 55 years or older. The session lasts for three weeks during May and has been running for over 20 years. Many students return each year to explore their interests in areas such as art, microcomputers, fitness, psychology, literature, geography and history.*

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## WHERE WE STAND

Mean faculty salaries at selected Canadian universities (Includes all ranks\*, medicine and dentistry excluded.)

University	85/86	90/91	95/96
Alberta**	2	10	16
UBC	16	9	5
Simon Fraser	15	4	4
Calgary**	4	17	17
Saskatchewan	6	15	14
Manitoba	5	13	10
Carleton	11	11	6
Guelph	13	8	7
McMaster	7	3	3
Ottawa	9	16	12
Queen's	14	6	9
Toronto	1	1	1
Western Ontario	8	5	8
Waterloo	3	2	2
York	12	7	13
UNB	10	14	15
Dalhousie	18	18	18

\*All ranks: deans, professors, associate professors, and assistant professors

\*\*The 1996/96 ranking for Alberta and Calgary reflects their salaries adjusted for days without pay.

Mean faculty salaries\* at selected Canadian universities, 1995/96  
Comparison of Alberta (100.0) with others

University	Mean salary	Salary
Alberta**	71,600	100.0
UBC	79,800	111.4
Simon Fraser	80,400	112.3
Victoria	75,400	105.3
Calgary**	70,100	97.9
Saskatchewan	73,100	102.1
Manitoba	75,500	105.4
Carleton	78,800	110.1
Guelph	78,100	109.1
McMaster	80,500	112.4
Ottawa	74,000	103.3
Queen's	75,700	105.7
Toronto	85,500	119.4
Western Ontario	76,100	106.3
Waterloo	80,800	112.8
York	73,300	102.4
UNB	72,000	100.6
Dalhousie	64,900	90.6

\*All ranks, all faculties except medicine and dentistry

\*\*Salaries at Alberta and Calgary are adjusted for days without pay

## U of A loses competitive salary edge

*From second to sixteenth in a decade—Board chair suggests MLAs see data*

By Michael Robb

In 1985/86, the University of Alberta ranked second in Canada—behind the University of Toronto—in mean faculty salaries (including all ranks and excluding medicine and dentistry). In that same year, the University of British Columbia ranked 16 among 18 universities.

Times have changed.

By last year, the U of A had slid to 16th place while UBC moved up to fifth. During the same period, the University of Calgary slid from fourth place to 17th. And through it all, the U of T maintained its number one spot.

The statistics were presented to the May 2 meeting of the Board of Governors. "It's excellent data," said Board Chair John Ferguson, who suggested it be given to the province's MLAs at an upcoming dinner with Board members. "There is a sense that professors make too much money."

Board member Eric Newell reiterated his often-stated view that it is important to pay people well. "Staff is where it's at," he said, adding that it's important to impress upon the government that universities are not looking for handouts. Education, he said, is a good investment.

Meanwhile, the issue of salary competitiveness is front and centre in current contract negotiations between the University and the Association of Academic Staff. Dr. Mike Stiles, AAS:UA salary negotia-

knowledge that the administration priority is to renew staff—likely hiring 100 people per year for four years—but says a logical balance has to be struck between renewal and retention.

In a recent *Folio* interview, incoming dean of business Michael Percy said competitive salaries are important in a highly competitive market. A recent U of A recruit, earning \$70,000 Canadian, left for a U.S. job with a \$90,000 US salary plus a stipend worth two-ninths of his salary. Another left for a salary of \$100,000.

However, providing competitive salaries is only one factor in attracting and retaining top medical researchers, says Joel Weiner, associate dean of research for the Faculty of Medicine and Oral Health Sciences. Providing spousal employment and research support are contributing factors. "No one has come to me and said, 'My salary is too low, I'm leaving.'"

Vice-President (Academic) Doug Owrarn declined comment during negotiations with the AAS:UA. He said he would be willing to discuss the issue once a settlement is reached. ■

**The longer the salary scales stay out of whack with the market, the worse the situation becomes.**

Dr. Mike Stiles

**It's excellent data... There is a sense that professors make too much money.**

John Ferguson

tions chair, says the council is currently considering an administration proposal tabled last Wednesday.

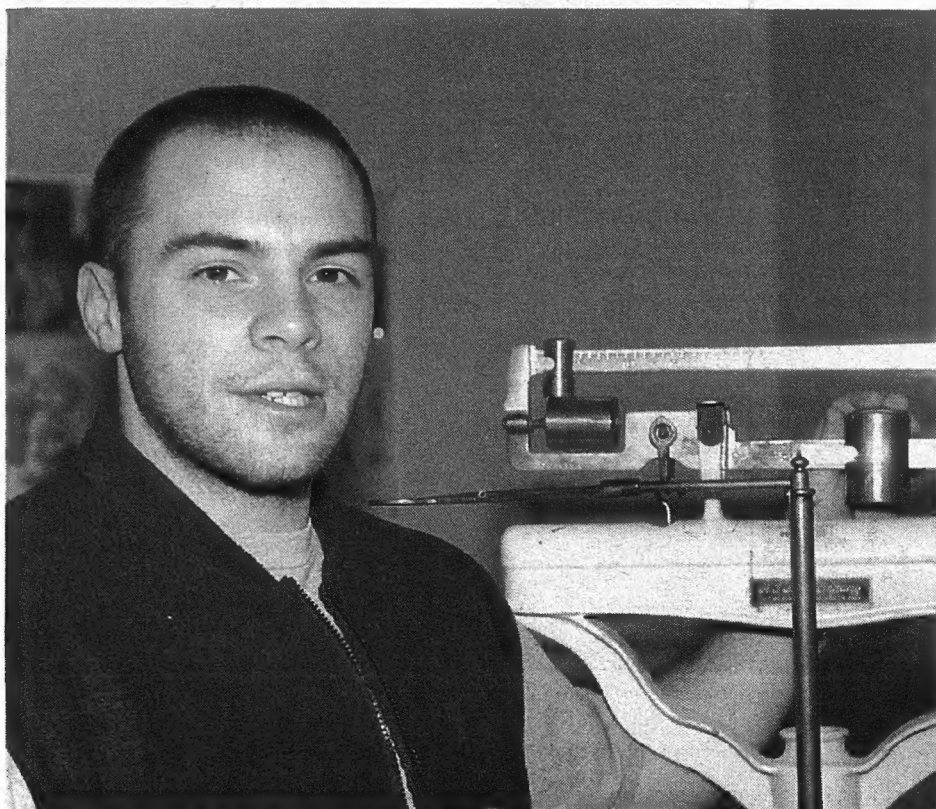
"The longer the salary scales stay out of whack with the market, the worse the situation becomes," said Stiles. He ac-



# Grad student compares weight loss programs for kids

**Geoff Ball wants to determine what works and why**

By Michael Robb



Michael Robb

Geoff Ball: the scales don't tell the whole story

**G**eoff Ball was, by his own admission, a chubby kid. He's heard the monikers . . . chubby, fatso, porky. He knows how unkind children can be.

As a graduate student in the Department of Agricultural, Food and Nutritional Science, Ball now finds himself working with children, ages 6 to 10, who are probably enduring those same kinds of taunts, at the pool, on the playground and in schools.

Backed by a Canadian Fitness and Lifestyle Research Institute grant of \$30,000, Ball is comparing two programs designed to combat childhood obesity: one developed by a dietitian at the University of California in San Francisco and another developed by Health Canada, incorporating three concepts: healthy eating, active living and positive self-esteem. The programs are available for use in hospitals, health clinics and by private health-care practitioners.

Four dietitians have been hired to run the two programs, and a physician, psychologist and exercise physiologist are also involved. Thirty-eight families have enrolled, half in one program, the other half in the other program. The children were deemed eligible for the programs based on measurements of skin folds taken on five different parts of the body.

"What we want to determine is whether one program is better than the other and what the various strengths and weaknesses of the programs are," explains Ball. "We hope to be able to make recommendations on what works and what doesn't. Ultimately, we want to prevent children from becoming unhealthy adults."

The researchers will track the families' progress over six months, one year and two years, to determine what kind of lifestyle changes have been adopted by the families and which haven't. The children's nutritional intake, self-esteem, physical activity, physical fitness, height and weight will be measured at specified intervals. "The short-term really doesn't mean that much. The long-term is important," he says.

Ball is also concerned about society's long-term attitudes. People still tend to believe in the "fit or fat" maxim. Ball believes Canadians should be more concerned about health than weight. There's no doubt, he says, that people with higher body-mass indices are ill more often and die prematurely. But research is beginning to suggest that people carrying more weight are at no greater health risk if they're active and fit.

Ball's thesis advisor is Linda McCargar (Agricultural, Food and Nutritional Science), a nutrition researcher and the principal investigator of the study. ■



LAURELS

## ■ SMITH MADE FELLOW OF THE ENGINEERING ACADEMY

Dr. Daniel W. Smith, professor of civil and environmental engineering, has been made a Fellow of the Canadian Academy of Engineering. This is in recognition of his achievements and outstanding contributions to the advancement of engineering and to economic and social progress in Canada. The mission of the Canadian Academy of Engineering is to enhance, through the application and adaptation of science and engineering principles, the promotion of well being and the creation of wealth in Canada. The total number of fellows at any one time is limited to 250.

## ■ JACKEL WINS CAUT AWARD

Dr. Susan Jackel, associate professor of Canadian studies and women's studies, is the 1997 recipient of the Sarah Shorten Award. The Canadian Association of University Teachers (CAUT) established this award in memory of a former president of CAUT, to recognize outstanding achievements in promoting the advancement of women in Canadian Universities. The AAS:UA nominated Jackel.

Jackel has been extremely active in promoting women's issues throughout her academic career and it has been a major thread of her scholarly activity. She was a member of the CAUT Status of Women Committee from 1990-92 and has just completed a two year stint as chair of the AAS:UA Member Advisory Committee.

Jackel has recently begun a sabbatical during which she will work on two projects: one on citizenship and gender and the other on alternative dispute resolution in faculty agreements.

## FOLIO

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*Folio's* mandate is to serve as a credible news source for internal audiences by communicating accurate and timely information about issues, programs, people and events.

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University  
of  
Alberta

## Mining executives celebrate industry strength on campus

By Lee Elliott

**M**ining is one of Canada's most important growth industries and the U of A Faculty of Engineering has an important role in building it.

That was the message 170 top mining executives heard Monday, May 12 as they gathered at the U of A's Lister Hall for the kick-off to National Mining Week May 12 to 18.

The launch marked the first anniversary of the U of A School of Mining and Petroleum Engineering, the only program of its kind in Canada. Faculty of Engineering Dean David Lynch said the success of the program owes much to the industry leaders who helped shape it. "They have assisted with a revision of the curriculum, have participated in the selection of new academic staff, have provided experienced personnel to assist with the delivery of courses . . . and provided executives-in-residence to assist with the mine design course."

The success of the program is great news for an industry that relies on the quality of its people, said Jim Popowich, vice-president operations with Fording Coal Ltd. and president of the Alberta Chamber of Resources. "We did more last year than just put a new name to an old school. We preserved a legacy and . . . we helped revitalize a noble and worthwhile profession." Popowich said, "The survival of one of the best mining schools in the



Anne McLellan, minister of natural resources, prepares to address 170 mining executives on campus Monday.

country goes straight to the survival of the industry itself."

"In 1990, the year before it was recommended the school be shut down, only two students applied to the mining engineering program and it was not their first choice," said Popowich. "In 1996, 32 first-year engineering students selected mining and it was their first choice in every instance."

Anne McLellan, federal minister of natural resources, told the audience that the industry invested \$6.5 billion in capital last year; that more than 30 mines are expected to open in Canada this year and every year through the year 2000; and that the industry will create 30,000 direct and indirect jobs as well as 40,000 short-term jobs. ■



EVENTS

## DANCE

### DANCE ALBERTA

May 30 and 31, 7:30 p.m.

"La Sylphide," with its Scottish theme, completely changed the course of ballet with its romantic tale of the fairy immortal, the Sylph, who dies of her infatuation with the young Highlander, James. Also on the program is the neo-classical ballet "Le Conservatoire." Timms Centre for the Arts.

## EXHIBITIONS

### EXTENSION CENTRE GALLERY

Until June 13

"Vessels in Celebration"—commemorating twenty five years of the Alberta Potter's Association. Gallery hours: 8:30 a.m. to 4:30 p.m., Monday to Friday. Information: 492-3034. 2-54 University Extension Centre.

### FAB GALLERY

Until May 18

"Coming Out—BFA Show"—an exhibition of work from the University of Alberta Bachelor of Fine Arts graduating class of 1997. Gallery hours: Tuesday to Friday, 10 a.m. to 5 p.m.; Sunday, 2 to 5 p.m.; Saturday, Monday and statutory holidays, closed. 1-1 Fine Arts Building.

### MCMULLEN GALLERY

Until June 30

"Original Voices—Twelve Artists With Aboriginal Heritage"—an exhibition of sculpture, drawing and painting by twelve emerging artists with aboriginal heritage. Gallery hours: Monday to Friday, 10 a.m. to 4 p.m.; Saturday and Sunday, 1 to 4 p.m.; Thursday, 5 to 8 p.m. Information: 492-8428 or 492-4211. Mackenzie Health Sciences Centre.

## STUDIO THEATRE

Until May 24.

"Amadeus" by Peter Shaffer, directed by Paul Felineau. Timms Centre for the Arts. Information and tickets: 492-2495.



# Nyland versus Rodger

*The battle for Edmonton-Strathcona shaping up to be a U of A affair*

By Michael Robb

When the next member from Edmonton-Strathcona rises in the House of Commons, chances are good he or she will be sporting an "It makes sense" pin in his or her lapel.

Two of the four candidates vying for the federal Edmonton-Strathcona riding have deep University of Alberta roots, and a third, New Democratic Party candidate Jean McBean, earned her arts and law degrees at the U of A.

Liberal Party candidate Ginette Rodger, the first regular student to earn a PhD in Nursing from the U of A, is running hard to capture the riding, a riding that includes the University of Alberta and stretches from Goldbar in the east to Grandview in the West, the University in the North and Duggan in the south. It's a huge riding, with a population roughly equivalent to the whole of Prince Edward Island.

Rodger is up against a familiar U of A personality: Edo Nyland, the Progressive Conservative candidate, a professor who taught physics on campus for 26 years. Not surprisingly, both candidates say education is one of the most important issues on the national agenda. Both acknowledge, however, that people on the doorsteps are expressing their concerns about the future of health care. And national unity is a recurring theme.

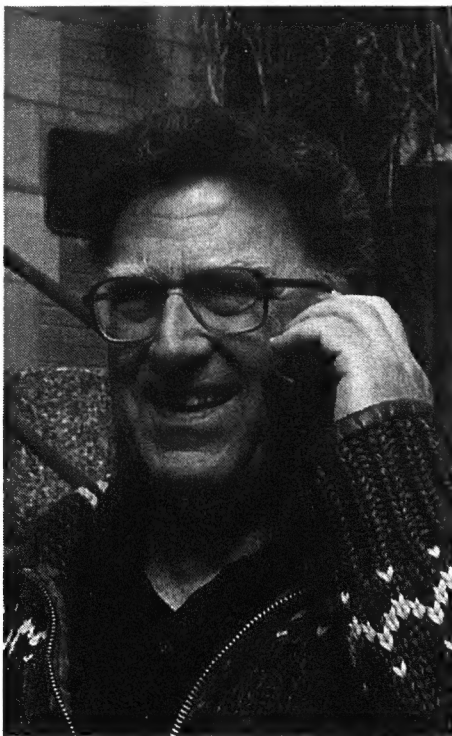


Liberal Party candidate  
Ginette Rodger

On the issues that matter most to University of Alberta students and staff, the candidates differ very little. For example, both say funding research is important. Rodger says simply she will fight for granting council funding increases. Nyland says money's tight. The money that is spent on research has to be spent intelligently, he says, and the University must be accountable for how it spends those research dollars.

Both are concerned about employment for the young. Nyland would like to see more international experiences for students. Rodger says internship programs should be expanded. "The employment situation for the young is the number one issue in the constituency," says Nyland. "It's becoming more difficult for university graduates."

The Liberal and Progressive Conservative candidates are not making many promises. Both, however, are promising



Progressive Conservative Party candidate  
Edo Nyland

one thing: to work hard for the constituency. Rodger says, if she's elected, her contributions will likely be in the area of health care. She was the executive director of the Canadian Nurses Association and served on national boards and commissions such as the Medical Research Council of Canada and Canadian Council of Hospital Accreditation. Locally, she lobbied hard for the establishment of the PhD program in Nursing. Nyland admits his political skills aren't great, but he does have the ability to think realistically and analytically—skills he developed as a university professor.

Both claim their chances are good. Nyland points out that the riding has been represented by Tories for a long time. The Reform win last time around was an aberration, he says. Rodger counters: The riding has six provincial ridings, in part or in whole, within it and five of those are represented by the provincial Liberals. "My

## EDMONTON-STRATHCONA RIDING FACTS:

- Population: 111,622, about the population of Prince Edward Island
- 231 polls
- Straddles six provincial ridings, all but one represented by provincial Liberals
- Federally, the riding has been represented by Tories primarily, and last election, by Reformer Hugh Hanrahan
- Eligible voters: estimates vary, but 78,000 is close
- Geography: bordered on the north by the river;
- Includes neighbourhoods as far west as Grandview and Lansdowne, Goldbar in the east, and neighbourhoods in the south including Greenfield and Duggan;
- Includes the University, University Hospital and University farm lands

feeling is that there were a lot of disappointed Conservatives who voted Reform last election," says Nyland. Rodger, on the other hand, says this time around she's hearing a lot of positive comments on the doorsteps from people who are satisfied with the Liberal record.

Both have an Achilles heel: the past. Nyland says his party heard the electorate loud and clear in '93. But he claims his leader, Jean Charest, has buried the Mulroney ghost and is now credible nationally. Rodger acknowledges some people are unhappy with the Liberal's preoccupation with the deficit. "But we had a \$42 billion deficit," she says. "I want to be part of the team to rebalance the agenda."

## CANDIDATES FORUM

The Graduate Students' Association and the U of A Students' Union present

An All Candidates Debate  
Tuesday, May 20, 1997

7 to 8:30 p.m.  
Law 231, University of Alberta

Moderator:  
Dr. David Stewart,  
Department of Political Science

Representatives from the Liberal, PC, Reform, ND and Natural Law Parties have confirmed attendance.

## "From Bonavista to Vancouver Island..."

*University recruiters extend reach for top students*

By Rhonda Lothammer

University recruiters are using the personal touch to court Canada's top high school graduates.

Guided tours, home visits and personal phone calls from the president, chancellor and deans are all part of a new, humanistic approach to attracting the nation's highest achievers to campus, says Bonnie Neuman, associate registrar and director of admissions.

"It's about being very welcoming," Neuman says. The extra attention being paid to the country's best students "shows we care about them and we want them to choose us."

It's the second year the Registrar's Office has focused its recruitment campaign on high school students with a 95 per cent or better average. Three top money awards were established last year to directly target this select group.

But securing high achievers is no easy task. Elite students typically field offers from a number of Canada's top post-secondary schools. Recruiters hope that giving the U of A a human face will convince these students to study here, Neuman says.

Making a special effort to spend time talking with students about their needs can really influence final decisions, she

says. Neuman recently returned from a trip to the Maritimes where she drove for over four hours to dine with a \$25,000 President's Citation award winner who has had offers from the U of A and Queen's.

"I'm pretty certain that Alberta will be her choice. (The personal visit) definitely made a difference."

Michael Hopman, another President's Citation winner from B.C. agrees. A recent phone call from Dr. Fraser congratulating him on his award prompted Hopman to come to Edmonton for a tour of campus.

"It's been great. Everything, the phone call, the tour, the visit from the associate registrar has made it so personal. It's nicer than just receiving a letter in the mail," he says.

And Hopman says he's seriously considering a move to Alberta. "It's a pretty big option right now."

Overall University recruitment has also been expanded this year. A second high school liaison officer was hired last September to reach more students. An improved and expanded recruitment handbook and a major re-design of next year's calendar are also part of the University's plan to stand out from the rest of the country's top schools, says Neuman.

The impact of these efforts is already evident in the increased number of applications being received for the fall, she says.

There's been a significant increase in the number of out-of-province applications this year," she says. "But we'll have to wait until September to see what the real take will be."

## RECRUITERS DOUBLE EFFORTS

U of A recruiters criss-crossed the country last winter meeting nearly 25,000 high school students in their travels. While the majority of school and career fair visits were concentrated in Alberta and surrounding provinces, recruiters also ventured as far as Nova Scotia and Newfoundland to speak to students face-to-face.

A second high school liaison officer hired in September has doubled the number of schools visited in 1996-97, says Bonnie Neuman, associate registrar and director of admissions. Recruiters stopped at 225 schools and events over the winter, with one officer spending six weeks travelling throughout Ontario.

## WHERE WE'VE BEEN

### STATS FROM THE 1996-97 HIGH SCHOOL LIAISON OFFICER TRAVEL REPORT

- BC - 1464 students, 45 schools
- Alberta - 12,031 students, 70 schools
- Saskatchewan - 235 students, 24 schools
- Manitoba - 1187 students, 23 schools, 1 major career fair
- Ontario - 432 students, 61 schools
- Nova Scotia and Newfoundland - 12 schools
- Grand total - 23, 349 students, 225 schools and events

### 1996-97 TOP THREE MONEY AWARDS

- President's Citation \$25,000 over four years, 9 winners
- Chancellor's Citation \$15,000 over four years 16 winners
- Dean's Citation \$10,000 over four years 11 winners





## U of A Bookstore fêtes faculty

Director promises cheaper texts and HUB Mall outlet

By Deborah Johnston



Juliet McMaster signs copies of her book at the Bookstore Faculty Appreciation Night.

English Professor and University Cup recipient Juliet McMaster officially launched her latest book during a faculty appreciation event at the Bookstore on April 30. The book, *The Cambridge Companion to Jane Austen*, was released at the Bookstore the day before its official release in England.

"This is a super occasion—lucky me!" said McMaster who edited the collection along with Edward Copeland. Four U of A professors—whom McMaster calls "the best of the best" Jane Austen writers—contributed to the book. McMaster herself has written or edited several books on Jane Austen but she predicts, "this is going to be the biggest seller of them all... it will have quite a readership among students as well as professional critics."

McMaster plans to make the book available to students studying Austen's work. "She is simply a supreme artist... she somehow manages to make everything significant. Where Dickens can get you excited about the French Revolution and who's going to come next under the guillotine, she gets you excited about who's going to sit next to whom at tea time!"

McMaster's new book was just one of many publications on display at the Book-

store Appreciation event. Many other works—including some writing projects by students were also featured.

Bookstore Director Julio Picheca said the event was intended to recognize the important relationship between retailer and customer. It was also an opportunity to showcase the new and improved University bookstore.

Some bookstore policies have been changed in response to student suggestions—for example, students can now carry bags into the store rather than leaving them at the front. And more importantly, the price of every textbook in the store has been rolled back five per cent. "Ninety-seven percent of students say the cost of education is too high. We've responded." Picheca expects the rollback will trim more than \$400,000 from this year's bookstore revenue.

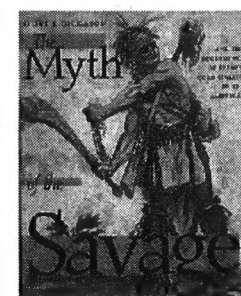
Picheca also plans to open a specialty bookstore in HUB Mall on August 1. The new store will feature specialty books on education, drama, music, law and more. It will also feature a free student service area with several computer terminals linked to the Rutherford Library and the Internet. A competition to name the store is underway. ■

## Scholarly title of the year goes to U of A Press book

By Michael Robb

Canadians can learn a lot about civil liberties, myth-making, censorship and the power of manipulation from its World War I experiences, says the author of an award-winning book.

Dr. Jeffery Keshen, formerly a postdoctoral fellow at the University of Alberta and now an assistant professor of history at the University of Ottawa, says, "Many of the things said in World War I are still guidelines for today."



Olive Dickason's *The Myth of the Savage and the Beginnings of French Colonialism in the Americas*, now out in paperback.

Keshen's book, *Propaganda and Censorship During Canada's Great War*, published by the University of Alberta Press, was awarded the Scholarly Title of the Year award at the Alberta Book Awards, May 3. The awards are presented by the Writers' Guild of Alberta and

the Alberta Book Publishers' Association.

The book outlines where Canadians get some of their modern-day misconceptions. "This is a well-constructed book with a well-constructed argument; the overall quality of the physical book and of the scholarship is strong. The design and layout is outstanding," the competition's judges stated.

Another U of A Press book, *Reforming Fiscal Federalism for Global Competition*, edited by economics professor Dr. Paul Boothe, was shortlisted. In the trade title of the year category, *Wildflowers of Edmonton and Central Alberta*, by France Royer and Richard Dickinson, received an honorable mention.

In other news, the U of A Press has also re-released Olive Dickason's *The Myth of the Savage and the Beginnings of French Colonialism in the Americas* in a paperback version. ■

## Young writing expresses resistance

Juvenilia Press release early Margaret Atwood work

By Shawna Lemay

*A Quiet Game*, a collection of juvenilia by Margaret Atwood consisting of two very short stories and one poem written when she was seventeen, is the latest release by The Juvenilia Press.

Atwood's mature writing has been described as disturbing or disquieting, qualities already apparent in her youthful work—"It's not cute or cozy," says Juliet McMaster, general editor for the press.

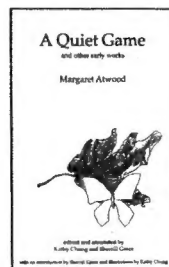
Indeed, it is not. In the title story, an "antiseptic" kitchen is juxtaposed with the "bleak expanse of mud" seen through the window. A mother cuts peaches with a sharp knife, a young boy with "dirty, grubby hands" reaches up to steal a peach and is struck with the side of the rather symbolic implement. One need not be a great follower of Freud to make a little something of the imagery in this story.

But why bother with juvenile writings at all? In the introduction to this slim volume, Sherill Grace says that young eyes "see and

register the innumerable injustices, petty tyrannies, and vicious hypocrisies of adults." Writing is one of the few forms of resistance open to the child. Often accomplished in secrecy, writing is a way of "gathering power" and often young people will "rearrange their world" says McMaster.

When a young person goes on to write over forty books of poetry, fiction and essays, as an adult—as Atwood has, then it becomes a worthwhile endeavor to trace her development, to trace back to that gathering place. Because, as Atwood says on the first page of *Cat's Eye*, "You don't look back along time but down through it, like water. Sometimes this comes to the surface, sometimes that, sometimes nothing. Nothing goes away."

The Juvenilia Press specializes in looking down, through water. Best known for its Jane Austen juvenilia, the press has also published early works by George Eliot, Louisa May Alcott and Lady Mary



Wortley Montagu. Two volumes, one by Daisy Ashford, and one by Charlotte Brontë are in production, and forthcoming are volumes by Malcolm Lowry and Margaret Laurence.

While we may peer through the watery depths at the juvenile works to learn more about the mature writer, they also tell us about the child's imagination—looking into the pool we are almost assured of seeing our own reflection there. What these works have in common seems instructive—McMaster says they often contain these elements: "romance, redolent language, dramatic poses, the use of big words, rebellion against authority." Above all, the works all have a certain intensity, reminding us how a child sees. Lying at the bottom of the swimming pool, breath held, looking up at the strange gestures of adults, their odd dance-steps, the inexplicable movements of their lips. The works published by The Juvenilia Press remind us of this posture, remind us that nothing goes away. ■

## Catherine M. Fletcher D.D.S.

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# OPINION

## Governments hooked on gambling

By Christopher Levan

I'm hooked. Any sensitive reader of these columns will have noted my fascination with films, and to be honest, my habit of theatre-going has progressed well beyond idle entertainment. It's become something close to an addiction. Once I was discriminating, but now I hardly even look at the marquee before plunking down my entrance fee. The subject matter or title no longer matter. I'll watch anything—good bad, foreign or domestic. Just keep my seat warm. Thanks to the entrepreneurial spirit of this city, even the guilt of wasting big bucks on a trashy flick is wiped out. Cheap Tuesdays, half-price matinees, and \$1.50 movie halls only make my substance abuse more affordable.

Like all addictions, it's not harmless, but on a scale with drugs, sex, alcohol or violence, it's a rather petit peccadillo.

Nevertheless, a brush with my own addictive inclinations heightens my awareness of it in others. Lately, I have been most alarmed by the monkey that has climbed onto the back of governments across the land. Provincial and federal budgets are hooked on gambling revenue and the habit of easy cash.

Like all such behaviour, it began innocently enough. "Why not tax games of chance, horse racing and other such 'gentlemanly' wagers in order to fund community projects?" so the question was phrased. But this small step has exploded into the fastest money maker since Leduc No.1 blew its top, and this one doesn't show any signs of running dry. In 1983-84 the province took in \$602 million in gross revenues from lotteries and gaming activities. By 1993-94 it had risen to \$2.2 billion or \$1,170 per Albertan. With the introduction of VLTs, that per capita amount has escalated. Presently, 55 per cent of provincial gaming revenues are generated through video terminals with each Albertan over the age of 18 spending an average of \$463 a year on these electronic one-armed bandits.

I have heard people argue that this form of funding for collective projects is harmless enough. It's an entertainment tax, and if citizens wish to spend their surplus on gambling, why shouldn't the province benefit from it. After all, legislative coffers are swelling through taxes on equally ambiguous practices of alcohol and cigarettes.

Last month I paid a visit to a local casino, and it was quite evident that this was not entertainment. Far from the high rolling, well-heeled millionaires I expected to see at the roulette table, the scene was deplorable. Working class blokes were spending the grocery budget in great gobs or betting their RRSPs by 50s and 10s. No

one was smiling. Calling this clenched jaw activity a "gaming" is a misnomer. Casinos are designed to take your money—and quickly too. It doesn't turn a profit unless almost everyone loses.

The VLTs are worse. It could be argued that some skill is involved in picking the fastest thoroughbred or asking for the right card in blackjack. In contrast, winning with video lottery is nothing more than good luck. The machine is designed to beat you. Play long enough and it will take all you have, no questions asked.

In essence, we are filling the public purse through exploitation. Governments of all political stripes have become users of a very potent substance. Shame.

Of course, governments are not the only users. Charities of all kinds, public institutions, sports teams and service clubs have come to depend more and more on lotteries and games of chance. Even segments of the University now provide personnel to casinos in order to balance their budgets.

And we all feel caught in the desperate grab for bucks that a gambling based economy generates. Do we have the moral courage to ask for a change? No doubt, there are many within the walls of academia who could develop and administer a rehabilitation program for political structures intoxicated by and addicted to gambling.

Weaning ourselves from such a lucrative addiction will not be easy nor free of other compromises. But like all such breaks, it will arrive with a sense of increased integrity and energized freedom.

We may even be able to relax and have more time for movies. ■

1. Alberta Lottery Review Committee, *New Directions, Alberta Lotteries*, January 1995, pp 3ff.

Dr. Christopher Levan is the principal of St. Stephen's College

## Atom artist slated for U of A conference

1,000 and one cool things to do with a microscope

Dr. Don Eigler from the IBM Almaden Research Center in California has taken playing with Lego blocks just a little bit further. Eigler has been building things like "carbon monoxide man" using actual atoms as building blocks.

Eigler will be on campus June 4 through 7 to join researchers from across North America and from as far away as South Africa in comparing notes on their favourite tools—and toys—microscopes, at the 24th annual meeting of the Microscopical Society of Canada.

Dr. Ray Egerton, a U of A physics professor, says scanning probe microscopy—the group of techniques that allows researchers like Eigler to use atoms as building blocks is certain to be a hot topic at the conference. The techniques have only been perfected and commercialized within the last decade, says Egerton. In one version—atomic force microscopy (AFM)—a mechanical probe is lowered gently onto a specimen and its up-and-down motion recorded while it is dragged across the surface. "Amazingly, this works so well that single atoms become visible under the right conditions," says Egerton. Unlike the electron microscope, which operates under a high vacuum, the AFM specimen can be in air or even immersed in a liquid, conditions which are favourable for biological samples.

A second scanning-probe technique, scanning tunnelling microscopy (STM), involves a small voltage applied between the scanning tip and the specimen, forcing electrons to "jump the gap" by a process which physicists call tunnelling. "By adjusting the voltage and tip-to-sample separation, atoms can be transferred between the tip and the sample, or else moved to different locations," says Egerton.

Eigler will be speaking to the conference about his design, an STM which op-

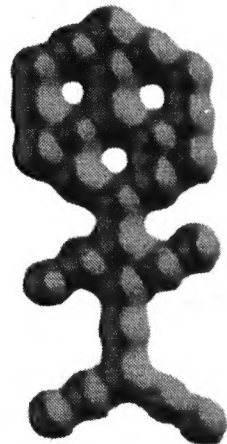
erates under ultra-high vacuum and at very low temperatures, allowing him to position many types of atoms at will on the surface of a solid. His "carbon monoxide man" is composed of CO molecules assembled one-by-one on a platinum surface. Another artwork consists of a "quantum corral" of 48 iron atoms, which can attract an electron (seen as ripples in its density distribution) to a particular site.

Dr. Mark Freeman, physics, and a member of the conference organizing committee says, "Such structures, which previously have not existed in nature herald a new era of materials fabrication—a bottom-up approach which starts with individual atoms as the building blocks."

"It would be a mistake to think that the scanning probe microscopies have made electron beam and light microscopy obsolete," he says. "These more traditional techniques can examine structure within a specimen (not just the contours of its surface) and measure local chemical composition as well as structure, capabilities which are being pushed towards atomic resolution." Moreover, he says, light microscopy is undergoing a renaissance thanks to the recent development of a confocal technique, in which a laser beam is scanned over the specimen to produce a series of images representing its three-dimensional structure.

With a cast of 35 speakers and with 18 poster presentations, the conference will also show how microscopy is used to address practical problems, ranging from aircraft failure to infertility in snails. Also present as a guest of honour will be Albert Prebus, who obtained his MSc from the U of A in 1937 and went on to develop the first Canadian electron microscope, with two key components "borrowed" from his alma mater. ■

For more information on the conference, contact Dr. Ray Egerton at 492-5095 or e-mail: egerton@phys.ualberta.ca



Carbon monoxide man

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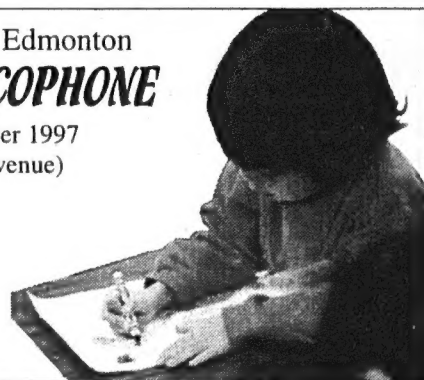
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## APPOINTMENTS

### Spirit of community will be maintained, says new dean of law

By Michael Robb

**F**lexibility within the rules: that's the principle Lewis Klar uses when he's dealing with tough issues, and for the past three years it has informed and guided Klar in his role as associate dean. He doesn't expect that will change, when he moves next door to assume the dean's chair.

"We have a tremendously diverse student population," says Klar, who will take over from outgoing dean Timothy Christian, July 1. "We can no longer pretend that everyone's the same. We have had to be more flexible with our requirements," says Klar, a 26-year veteran of one of the University's most distinguished faculties.

Over the past few years, Klar has watched the student satisfaction numbers in the graduand survey steadily improve. The faculty can take some credit for the creation of a climate in which students make life-long friends, he says. "We helped create an environment to allow that to happen." Klar wants to see a lot more happen during his tenure as dean, however. Much more. It's time to grow.



Dean of Law Lewis Klar:

The faculty has one of the poorest faculty-student ratios in the country, with 500 students and only about 25 full-time faculty. "That has to change. We need new tenure-track appointments," he says. And although the faculty is one of the most prolific in the country responsible for producing many of the standard law texts used in law schools across the country, Klar believes it's time to inject new money into the law school. "You can cut and work doubly hard, but if you want to build, you have to put money back in."

Over the last several years, the faculty has built bridges to the alumni and legal community, and Klar expects those two communities to support new faculty initiatives. He's targeted a few growth areas—aboriginal law, technology and the law, health law and alternative dispute resolution (ADR) law—to name a few. He is particularly excited about the expansion of the ADR Centre's role in the faculty. "We have to put more of a focus on teaching negotiation, mediation and arbitration skills," he says, pointing out that litigation is only a small part of what lawyers actually do.

Budget cuts have meant the law school lost some of the things students and staff used to value, says Klar. He's hopeful an improved economic climate will mean more resources for student research assistantships, visiting speakers series and travel. "Sometimes we've felt isolated; we used to have money for these things. We were stretched and now we have to grow."

### Science dean appointed for second term

**D**r. Richard Peter, professor of biological sciences, has been appointed for a second term as dean of the Faculty of Science.

Peter became dean in 1992 after serving as chair and acting chair of the Department of Zoology (now part of the new Department of Biological Sciences). He joined the University's zoology department in 1971.

In his first term as dean, Peter oversaw major restructuring including the development of new departments and new undergraduate and graduate programs. Challenges in his upcoming five-year term, which begins July 1, will include recruiting approximately 100 new faculty members to maintain the Faculty's strong research and teaching record.

Peter's own research interests centre on the endocrine regulation of growth and reproduction in most species of fish. He has been the recipient of several honors and awards including the 1985 Grace Pickford Medal and a E.W.R. Steacie Memorial Fellowship from NSERC in 1980.

He was elected a fellow of the Royal Society of Canada (1985) and the American Association for the Advancement of Science (1981) and holds memberships in a number of professional organizations including both the Canadian and American Societies of Zoologists, the Canadian Physiological Society, the European Society of Comparative Endocrinology and the International Society of Neuroendocrinology.

He is a sought after speaker and has lectured or presented papers in Israel, Germany, Taiwan, Spain, the Netherlands, China and the U.S.

A native of Medicine Hat, Peter attended the University of Calgary for his undergraduate degree and earned his PhD from the University of Washington.

## POSITION

### ASSOCIATE VICE-PRESIDENT (GOVERNMENT RELATIONS)

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Reporting to the Vice-President (Research and External Affairs), the Associate Vice-President (Government Relations) provides guidance and counsel to the University and its senior administrators on the University's relations with provincial, federal and local governments, and is also responsible for implementing a comprehensive government relations program for the U of A.

The Associate Vice-President must understand the process of government and politics, including policy-making in the areas of higher education and research, and have an appreciation of the

internal governance of the U of A. Work experience in government and within a university is an advantage.

Appointment is to be effective July 1, 1997, and will be for an initial term of two years. Interested individuals are requested to communicate in writing with Dr. Roger Smith, Acting Vice-President (Research and External Affairs), Room 3-12 University Hall, by Monday June 2, 1997.

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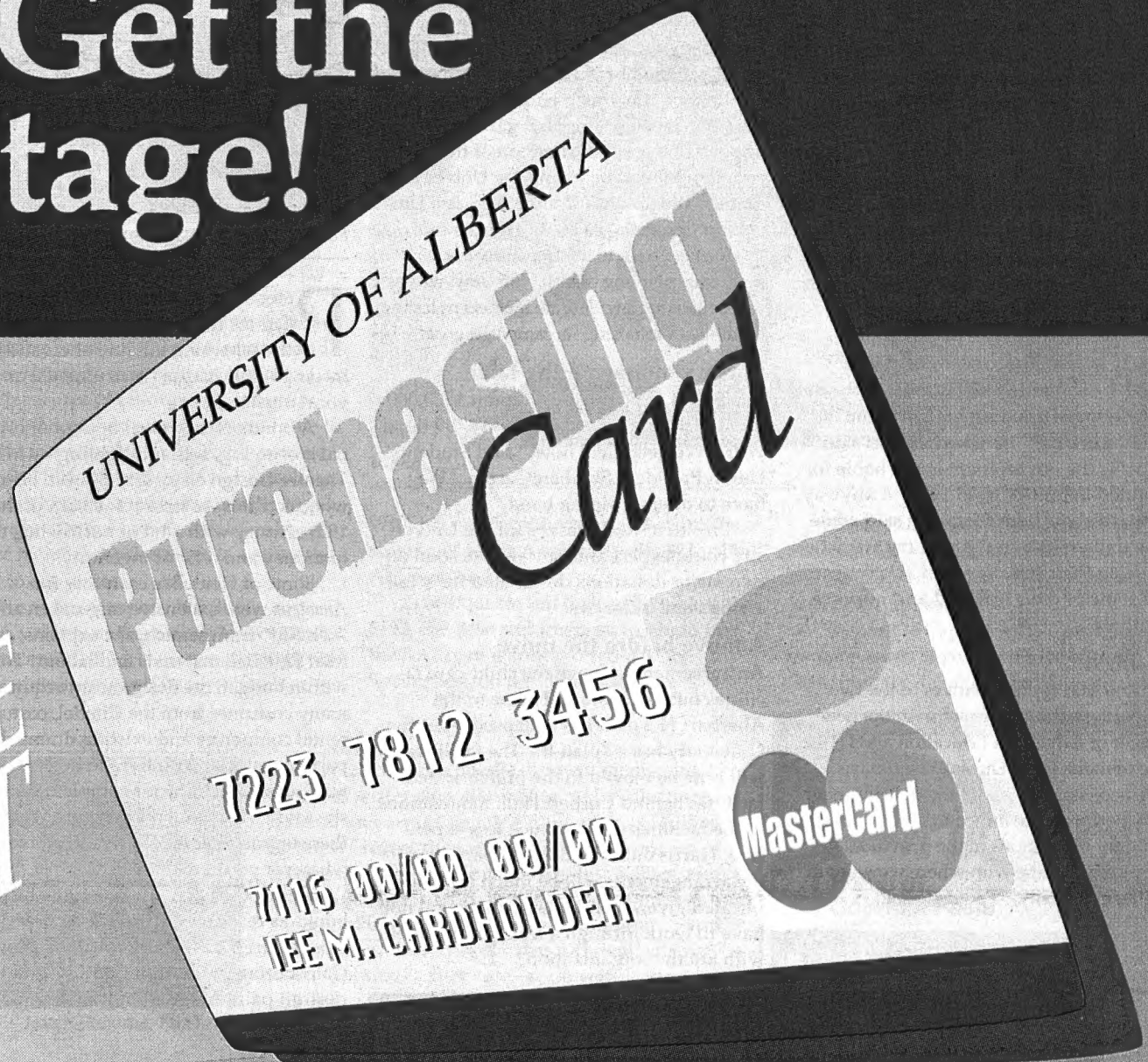




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## BOARD BRIEFS

### A summary of Board of Governors discussion at the Friday, May 2 meeting Control over pension plan sought

The Board of Governors has agreed to continue the process of acquiring control over the academic pension plan, now held by the provincial government. According to the chair of the Board's human resources and compensation committee, David Foy, the pension fund has been under performing. "We'd like to control our own destiny and move towards a non-statutory pension plan," he said.

Vice-President (Administration and Finance) Glenn Harris said there is also an issue of principle: stakeholders should be in control. That view is shared by the government, he told Board members at their regular meeting earlier this month.

Board member Paul Wacko said the University should be cautious. "Why should we separate ourselves from the one [the provincial government] with the deepest pockets?" he asked. Harris said the fact is the government is not liable for unfunded liabilities from 1991 on anyway.

Board chair John Ferguson said some of the universities in the country are actually using their pension fund surpluses to fund some of their teaching and research initiatives.

#### KPI angst

Ferguson said representatives of the two major universities have met with the new Minister of Advanced Education and Career Development, Clint Dunford, and have expressed concerns about the development of key performance indicators for the post-secondary institutions in the province. "They aren't in line with where we want to take the University," Ferguson said.

#### Where was the national exposure?

While Board members felt that the launch of the University's fund-raising campaign was extraordinarily well done, finance and property committee chair Ed Makarenko said he was expecting "a little more bang for our buck across the nation."

Board member Eric Newell said regardless of how much national attention the fund-raising campaign garners, it is important to get the attention of those people who will be giving the University money. We now want to be seen as a University deserving of those gifts, he said.

It's now back to the trenches, said Ferguson, pointing out that the University will be looking to celebrate the next milestone on the road to raising its campaign goal.

#### Bursary money on the table

The Board has agreed to commit \$500,000 for student bursaries by the 1998/99 fiscal year. "We need help now," said Students' Union President Stephen Curran. "We have to offer a helping hand."

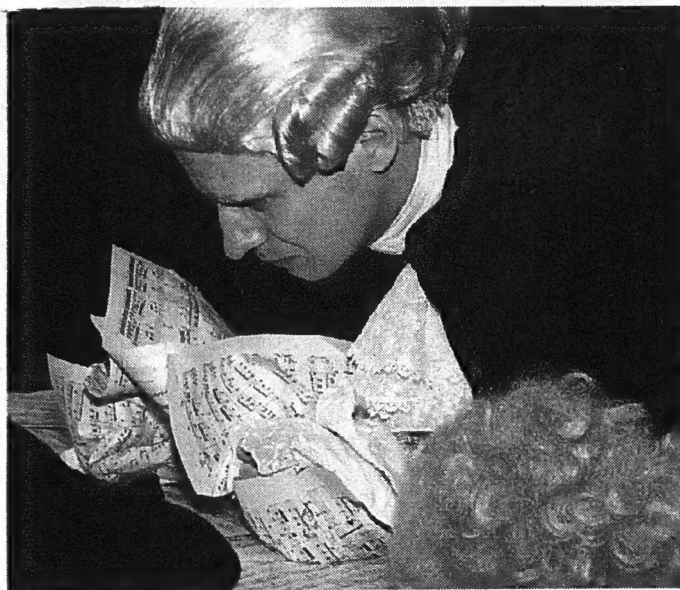
President Rod Fraser said the University could expect announcements soon on two major donations designated for scholarships and bursaries.

#### A move before the move

An agreement to move the child-care facilities out of Galbraith House to the Aberhart Hospital has collapsed—but the University has a "plan B." The facilities will now be moved to the prefabricated facilities behind Corbett Hall. Renovations to the facilities will be much less expensive, Harris outlined for the Board, and the arrangements will be much less complicated given that the University will not have to work through a lease arrangement with another organization.

## Dressing Amadeus

By Melanie Rogers Sheptak



Edward Bélanger plays Amadeus

influenced through history, but... there is a lot of creative license."

Acquiring the necessary silk, cotton, wool or synthetic fabric for a conceived design can be difficult.

"You are at the mercy of the material that's out there," she says. Much of the fabric was found in Toronto. Joanna Johnston, wardrobe manager, and numerous volunteers transformed the sketches into reality.

"The costumes anchor [the play]

Peter Shaffer's *Amadeus* comes to the Timms this month, complete with the scheming villain Salieri and incomparable Mozart instrumental and vocal music.

A bonus is the visual bounty of original costuming, sets and lighting by MFA Theatre Design candidate Mariko Heidelk who recreates Austria at the turn of the 19th century with a bit of borrowing, a bit of money and a lot of ingenuity.

Some of Heidelk's costumes for *Amadeus* were expensive original creations. A "build" from scratch, she explains, can total \$2,000 in materials and labour. To stay within budget, the design team acquired many costumes from the Citadel, costume rental companies and existing drama department stock. "You have to be flexible without sacrificing your complete vision," she says. "As a designer, you use what is there or you alter it. You dye it, paint it, do whatever you can."

Heidelk used art and costume history books as resources to ensure accuracy and was inspired by the airy touch of Thomas Gainsborough, the 18th Century English portrait painter. "A lot of [the designs] are

making it more believable," says Heidelk. "I like to think of costumes, light and set as the icing around everything." *Amadeus* is a wonderful play to build on, she says. "All of the emotions are there, it's so dramatic. You understand immediately what's happening, how it unfolds. It's a really well-written play."

Studio Theatre publicist Kathryn Osterberg agrees. "We are very proud of it," she says. The play involves 30 to 40 people, many returning students volunteering both time and experience. It's the last production of a highly successful season. "We've been given a gift from God with the Timms Centre for the Arts," says Osterberg. "It has created a huge amount of interest... all over Edmonton." The quality of the plays has justified that interest. "The work that we do... speaks for itself, and that's a great promoter. We have all of the accoutrements to make this show... professional."

*Amadeus* runs May 15 to 24 at the Timms and does carry a language warning. Tickets are over 75 per cent sold and available at the Studio Theatre Box Office. ■

### Paul Lorieau's University Optical

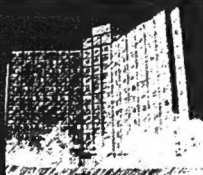


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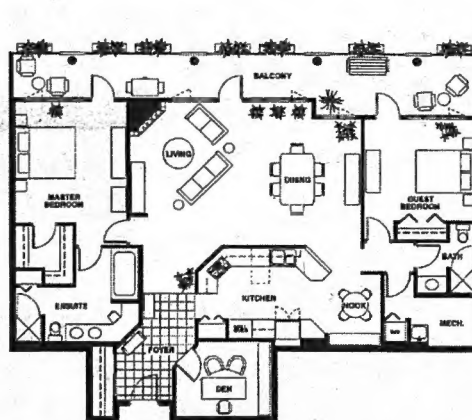


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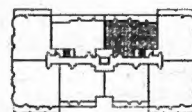
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# Sessions for Older Adults keeps bring students back

**Retired occupational therapist Wendy Davis gives a first-hand account of spring learning**

Wendy Davis

I heard of the three-week Spring Session for Older Adults from a good friend, Greta Faulds and have since enjoyed the good selection of courses which exercise the mind, the body and the spirit.

Last year was my first year at Spring Session. A good friend from Vernon, B.C. came to stay with me and we both had a thought-provoking three weeks attending courses. Our favourites were Greek History and the Art and Culture of the Northwest Indians. We also took a coach tour to Drumheller and visited the world-class dinosaur museum.

I find the Spring Session invigorating. It is refreshing to be back at the University when it is not too hectic with students and there is no pressure to get high marks. The senior students, some older and some younger, have had such varied lives: previous professors at the university, like Will Reese; retired lawyers like Pat Macdonald and his wife Elizabeth; Mae Bouvette, the sister of former Lieutenant Governor Steinhauer; married couples like Beth and Ralph Marshall and Duncan and Pat Currie; and grandmothers who never had the opportunity to attend university.

Two sisters/housewives, Peggy Allan and Norma Catrano, one from Wabamun and the other from Abbotsford, B.C. have been coming for six and two years respectively.

Each of us enjoys individual pleasure from the sessions, but we all share an appreciation for the opportunity to continue learning. One may retire but one cannot stop the mind working, and it needs the right kind of food.

In our writing class, we were asked to write of an event we felt proud of. At a time when professions appear to have

taken over from the family, it was inspiring to hear of the pleasure people had from their families and their pride in running a happy home.

The drama group is so much fun. Our teachers seem so young, but they have a wonderful way of bringing us into the basics of the world of theatre. The gift of encouraging student participation is one many teachers have.

I remember in our appreciation of Art and Culture of the Northwest Indians, one of the class members shared a beautiful carving given her by a former student. This same student is now a famous carver known by the course instructor.

Spring Session is like an aperitif; one is stimulated to continue afterward to enrol in Tai Chi, water color and oil painting, drawing, French, computers or whatever interest has been sparked.

Of course seniors have ailments, but at the Spring Session they are forgotten and the conversation is enriching. We heard the adventures of fellow student Gwen Starke, who, in her younger years, came to Canada in a wheelchair—a rocky voyage by boat which offered great risk of rolling off the edge into the sea. We quietly thank the University for having elevators so we do not have to physically carry her up the stairs to our classes.

One of our teachers, Jim Shaw, a CKUA volunteer, has a noon hour course, "A Panorama of Early Singers," which we enjoy while eating our bagged lunches.



Wendy Davis

With his permission, come and share the singing of Louis Armstrong, Bing Crosby, Al Jolson and others.

I consider myself fortunate to have the \$125, the time and freedom to spend on the luxury of learning offered at the Spring Session for Older Adults. ■

Wendy Davis is a retired occupational therapist. She's is currently enrolled in a writing class with Shirley Serviss and hopes to write her memoirs.

She came to Canada in 1973 for a two-year teaching assistant position in the U of A's Department of Rehabilitation Medicine.

## Research Technology Management Inc. gets Board of Governors go-ahead

By Michael Robb

The Board of Governors is hoping a newly created company will turn University of Alberta research into successful, local, knowledge-based companies.

History has shown that if you have good management and proven technology, the money will be there, Dr. Jim Murray, director of the University's Industry Liaison Office, told the Board of Governors, at their last regular meeting. At that meeting, the governors gave administration the go-ahead to incorporate and organize Research Technology Management Inc., a wholly owned subsidiary of the University.

The company will be charged with providing or securing solid management to fledgling companies created to bring University technology and inventions to the marketplace.

"We believe this will put us in the forefront in North America," Murray said. "This could be a model for other universities."

It's an excellent move, said Board member Eric Newell, and will generate a lot more than just royalties for the University. He suggested the University work hard to cement the new company's relationship with the University's business school.

The University, as required by the province's *Financial Administration Act*, will now request the approval of the lieutenant governor for the creation, ownership and operation of RTM. Funding for the new company is expected to come from grants, contracts and donations to the University specifically designated for the support of the company. ■



Jean Kilbourne, Ed.D.

Jean is an internationally known media critic, lecturer, writer and filmmaker. Her illustrated lectures and award winning films such as "Killing us Softly" reveal the serious cumulative impact of advertising on individual attitudes, values and behaviours, and on our society as a whole. With expert knowledge, insight, humour and commitment, Jean conveys that although ads may seem harmless, they are a powerful form of cultural conditioning.

### "Eating Our Hearts Out: The Obsession with Thinness"

A multi-media presentation with discussion to follow: Jean explores advertising's assault on women's self-image and the marketing of a mind set that often leads to unhealthy choices. The relationship between media stereotypes and body image will be featured.

Wednesday, June 4

Lecture & Discussion: 7:30 PM

Reception: 9:00 PM

Myer Horowitz Theatre, SUB, U of A

★ Registration Deadline: May 22 ★

Tickets: \$25 (Students w/ ID: \$15) After May 22/At door: \$35 everyone

Mail cheque, name, address to Alberta Centre for Well-Being, 11759 Groat Rd, Edm., T5M 3K6



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Cleveland Clinic Health Sciences  
Center of Ohio State University,  
School of Medicine

**Thursday, May 22, 1997  
@ 5:00 pm**

Bernard Snell Hall  
Walter Mackenzie Health  
Sciences Centre  
8440 - 112 Street  
Edmonton, Alberta



# Résumé POSITIONS

The University of Alberta is committed to the principle of equity of employment. As an employer we welcome diversity in the workplace and encourage applications from all qualified women and men, including Aboriginal peoples, persons with disabilities, and members of visible minorities.

## ADMINISTRATIVE PROFESSIONAL OFFICER (APPEALS COORDINATOR)

The University Secretariat seeks applications for an Administrative Professional Officer to act in a senior administrative and legislative capacity in relation to a number of key responsibilities including: the University Appeal Board (student discipline appeals); the new Practice Review Board (appeals concerning withdrawal from a practicum for safety reasons); and the GFC Campus Law Review Committee, which regularly reviews the Code of Student Behavior. The successful applicant may also act as the delegate of the Secretary to GFC in administering academic standing appeals. The successful candidate will have an on-going responsibility for developing and delivering educational programs for associate deans and student appeal advisors with respect to appeals processes and will have a number of other general legislative responsibilities. The individual selected will have daily contact with faculty, students and administrators about discipline problems and policy issues.

Ideally, applicants will have a post-secondary degree, experience or training as a neutral party or mediator, and a general knowledge of the university's academic operation. The successful candidate will have outstanding analytical and communications skills including a clear writing style and a confident public speaking manner. Excellent interpersonal skills are essential. The person in this position must also have the ability to engender the confidence of all constituent groups in the University, including that of opposing parties to an appeal. The successful candidate will be a proactive problem-solver and will have a demonstrated ability to apply complex regulations in a common-sense manner. Since the University Secretariat provides links between and among the legislative, judicial and executive branches of university governance, related experience in these areas will be an asset.

The person in this position reports to the Director of the University Secretariat and will work with a small team of other staff in the University Secretariat in an environment that is collegial, open and consultative. The University Secretariat is a unit which responds rapidly to the changing needs of both the President's Office and senior university committees; as a result, staff duties can change quickly.

This is a one-year term position with a possibility of renewal or conversion to a continuing Administrative/Professional Officer (APO) position. The salary range of this position is \$33,114 - \$49,674 per annum commensurate with education and experience. The ideal start date is July 1, 1997.

Letters of application, a résumé and the names of at least three referees should be sent by May 30, 1997 to

Ms. Ellen Schoeck  
Director of the University Secretariat,  
2-1 University Hall

Letters of application should explain an applicant's reasons for applying for this position.

## ADMINISTRATIVE PROFESSIONAL OFFICER (INTERNAL AUDITOR - SYSTEMS)

Reporting to the President the mandate of the Internal Audit Department is to examine and evaluate the systems of management controls, provided by the

University, to direct its activities towards the accomplishment of its mission.

The Internal Audit Department is currently accepting applications for the position of an Internal Auditor - Systems. The position reports to the Internal Audit Director and would be of interest to a highly motivated individual that enjoys working in a strongly team based atmosphere. The position offers opportunities to expand skills and experience in a challenging audit environment. The Internal Auditor - Systems is responsible for conducting independent reviews and appraisals of computing, financial, and operating controls in a wide range of organizational units, both academic and service functions, and will require extensive contact with senior University Management.

Applicants should possess a solid background in administrative systems, and distributed information technology, a sound working knowledge of microcomputer systems and excellent written and oral communication skills. Internal Auditing experience and familiarity with post-secondary educational institutions would be definite assets.

The initial contract is for one year with a possibility for renewal. It is an Administrative Professional Officer position, with 588 Hay points and a 1996-97 salary range of \$38,656 to \$57,988 which is currently under review.

Applications should be forwarded to Allan Pedden, Director,  
Internal Audit, 234 Athabasca Hall,  
University of Alberta,  
Edmonton, Alberta T6G 2E8.

Deadline for receipt of applications is June 6, 1997.

## ADMINISTRATIVE PROFESSIONAL OFFICER (COORDINATOR, STUDENT FEES AND ACCOUNTS RECEIVABLE)

**Position Description:** The primary functions of the Student Fees and General Accounts Receivable Section of the Office of the Comptroller are the accounting for and collection of all student tuition and related fees as well as other general receivables payable to the institution and the provision of advice and service to the University's clients with regard thereto. With the assistance of a staff of seven, the Coordinator is responsible for all aspects of the management of the Section. Duties include responsibility for the development of, recommendations for, and implementation of, policy changes and service or procedural improvements in these areas. The unit is presently in the process of transition to a personal computer based relational database management system (PeopleSoft) within a client-server environment.

**Qualifications:** Qualified applicants will possess an undergraduate degree in a relevant discipline, with course work in accounting or other formal accounting training and significant experience in the supervision of staff. Applicants must have well developed written and oral communication skills. Necessary skills include a strong working knowledge of personal computer applications. The unit has adopted Microsoft Office Professional as the preferred toolset; competence in its use will be an important consideration. The successful candidate will be able to interact with staff members of the organization at all levels and exercise sound judgment and tact when providing service to clients. Some formal training and experience in the collection of accounts receivable and in University main frame processing would be useful assets. An equivalent combination of training and experience will be considered.

**Rank and Salary:** The Coordinator, Fees and Accounts Receivable reports to the Chief Accountant. Salary range for the position is \$ 35,674 to \$ 53,518

**Applications:** Candidates' applications/résumés should clearly demonstrate their relevant qualifications.

Applications should be forwarded to Mrs. Ellen Kvill, Admin. Assistant  
Office of the Comptroller  
343 Admin. Bldg.  
University of Alberta  
Edmonton, Alberta T6G 2M7  
Deadline for receipt of applications is May 23, 1997.

## ADMINISTRATIVE PROFESSIONAL OFFICER (DEPARTMENT OF CIVIL AND ENVIRONMENTAL ENGINEERING)

The Department of Civil and Environmental Engineering invites applications for the position of Administrative Professional Officer (APO).

Reporting to the Chair, the APO is accountable for the maintenance and development of an administrative support system which facilitates teaching and research activities. There are 38 professorial staff and 23 support staff as well as trust employees.

The APO analyses and interprets University, Faculty and Departmental policies and assists the Chair to ensure that the Department operates in an efficient and harmonious manner.

The responsibilities of the APO include, but are not restricted to, financial planning and monitoring of the departmental budget, undergraduate student program counselling, timetable preparation, course registration, committee servicing and the preparation and distribution of information.

The successful applicant will be able to communicate with a variety of individuals and groups. Candidates should be fully conversant with electronic mail, word processing and spreadsheet software (Word and Excel are used) and be able to develop and maintain databases (Access will be used).

Applicants should have a university degree with several years of successful administrative experience, preferably in a post-secondary institution.

Salary range: \$35,674 to \$53,518.

Applications, including a resume and the names of three referees, should be forwarded by May 30, 1997 to

Dr. N.R. Morgenstern  
Chair, Department of Civil and  
Environmental Engineering  
200 Civil/Electrical Building  
University of Alberta  
Edmonton, AB T6G 2G7

## PROGRAM HEAD: MATHEMATICS RESOURCES

The Academic Support Centre (a unit of University Student Services) invites applications for Program Head of Mathematics Resources.

The candidate must be an excellent, committed teacher who is able to teach students with varying degrees of ability. The ideal candidate would be able to teach non-credit workshops and provide tutoring help to support students taking a variety of mathematics courses as well as engineering, physics and statistics. The ability to work well with others is essential.

The ten-month contract commences July 1, 1997 at a monthly salary range of \$2,500 to \$3,200 depending on qualifications and experience. There is a possibility of further 12 month extensions.

Résumés, including the names of three referees should be sent by May 30, 1997 to

Dave Clyburn  
Director, Academic Support Centre  
2-400 Students' Union Building  
University of Alberta  
Edmonton, AB T6G 2J7

## DIRECTOR, SCHOOL OF NATIVE STUDIES

The University of Alberta invites applications and nominations for the position of Director of the School of Native Studies.

The School of Native Studies consists of three full-time faculty members and two support staff. In addition to administering and offering undergraduate programs for two hundred full- and part-time students, staff of the School are involved in research and outreach activities in the larger native community.

The Director is responsible to the Vice-President (Academic) for the supervision and administration of the academic programs, budget, and all activities of the School. Candidates should have proven administrative ability, well-developed leadership skills and strong academic qualifications in a field of research that enhances the activities of the School of Native Studies.

The appointment will take effect on July 1, 1997 or as soon as possible thereafter. Written nominations or applications, accompanied in the latter case by a résumé of qualifications and experience, and the names of three referees, should be submitted by May 23, 1997 to

Dr. Doug Owram  
Vice-President (Academic)  
Third Floor University Hall  
University of Alberta  
Edmonton, Alberta, Canada, T6G 2J9.

## ADMINISTRATIVE PROFESSIONAL OFFICER (DEPARTMENT OF ENGLISH)

The Department of English invites applications for the position of Administrative Professional Officer.

Reporting to the Chair, the APO is accountable for the planning, establishment and maintenance of an administrative support system to facilitate the research and teaching functions of the Department. S/he holds responsibility for the preparation and monitoring of budgets (operating, capital, trust), timetabling and student registration; budget planning and analysis are primary responsibilities. S/he also analyses and interprets University, Faculty and Department policies, and otherwise assists the Chair and Associate Chairs in all matters conducive to the efficiency and harmony of the Department. S/he is responsible for coordinating, directing and assessing the performance of all support staff. S/he must be capable of administrative decision-making and possess strong interpersonal skills.

The position calls for someone with tact and initiative, thoroughly literate and capable of working authoritatively with a variety of people. Applicants should also have a university degree and/or considerable administrative experience, preferably at this University. Experience in liaison with the Offices of the Registrar and the Comptroller, and a knowledge of Excel would be assets.

Salary will be commensurate with qualifications and experience. The current salary range for the position is \$38,105 to \$57,161 per annum (571 hay points). Applications, including curriculum vitae and the names of three referees, should be forwarded to

Dr. Patricia Demers  
Chair, Department of English  
3-5 Humanities Centre  
University of Alberta  
Edmonton, Alberta T6G 2E5



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## CENTRE FOR GERONTOLOGY

May 26, 7:30 p.m.

Tammy Leach, regional coordinator, Regional Continuing Care Services Adult Housing, Capital Health Authority, "Adult Supportive Housing," 2-47 University Extension Centre.

## CHEMISTRY

May 21, 11 a.m.

Vittorio Farina, director, Chemical Development, Boehringer Ingelheim Pharmaceuticals, Inc., Ridgefield, Connecticut, "In Search of a Second Generation Taxol," V-107 V-Wing.

The Fraser W. Birss Memorial Lectures. Gren Patey, Department of Chemistry, University of British Columbia, "Liquids, Solutions, and Interfaces: Structure and Dynamics." All lectures will be held in E3-25 Chemistry Centre.

May 21, 2 p.m.

"Ferroelectric Liquids."

May 22, 11 a.m.

"Solvation Dynamics."

May 23, 11 a.m.

"Structure and Properties of the Metal-Electrolyte Solution Interface."

The 1997 Reuben Benjamin Sandin Lectures. Teruaki Mukaiyama, Distinguished Professor in the Department of Applied Chemistry at the Science

University of Tokyo. This series of lectures in an annual even commemorating more than 40 years of outstanding service to the University by the late Professor Reuben Sandin. All lectures will be held in E1-60 Chemistry Centre.

May 26, 11 a.m.

"Crossed Aldol Reactions."

May 27, 11 a.m.

"Asymmetric Approaches to the Total Synthesis of Taxol."

May 28, 11 a.m.

"New Possibilities in Organic Synthesis."

## ECO-RESEARCH CHAIR IN ENVIRONMENTAL RISK MANAGEMENT

May 16, 3 p.m.

Stan Kaplan, founder and chairman, Bayesian Systems Inc., "Evidence Based Decision Making," 2F1.04 (Classroom D), Mackenzie Health Sciences Centre.

## MEDICAL MICROBIOLOGY AND IMMUNOLOGY

May 22, 5 p.m.

Paul M. Allen, professor, Department of Pathology, Washington University School of Medicine, St. Louis, MO, "Close Encounters with the T Cell Receptor," 2F1.04 (Classroom D), Mackenzie Health Sciences Centre.

## PHARMACOLOGY

May 26, 4 p.m.

Louis A. Ritz, University of Florida, Gainesville, "Spinal Transections, Fetal

Neurotransplants, and the Cat Sacrocaudal Spinal Cord." 107 Heritage Medical Research Centre.

## PHYSIOLOGY

May 16, 3:30 p.m.

Steve Harvey, "Growth Hormone: A Paracrine Hormone?" 207 Heritage Medical Research Centre.

May 30, 3:30 p.m.

Loren W. Kline, "Calcitonin Gene-Related Peptide and Gall Bladder Motility," 207 Heritage Medical Research Centre.

## POLITICAL SCIENCE

May 22, 3 p.m.

Robert Hackett, Department of Communications, Simon Fraser University, "Sustaining Democracy? Journalism and the Politics of Objectivity," 10-4 Tory Building.

## PUBLIC HEALTH SCIENCES

This is a weekly series of talks highlighting recent research initiatives within the Department. The Department consists of six programs: Environmental Health Sciences, Epidemiology, Health Policy and Management, Health Informatics, Occupational Health, and Population Health.

May 21, noon

Environmental Health Sciences Program presents Gordon Court, Wildlife Status Biologist, Alberta Environmental Protection, "The Fall and Rise of Alberta's Peregrine Falcons." Bernard Snell Hall, Mackenzie Health Sciences Centre.

May 28, noon

"Occupational Health." 2J4.02 Mackenzie Health Sciences Centre.

For more information on the series please contact darlene.stewart@ualberta.ca or visit their website at <http://www.med.ualberta.ca/PHS>.

## RURAL ECONOMY

June 10, 1 p.m.

Harvey G. Brooks, "New Generation Co-operatives: A Model for Value-Added Processing," 550 General Services Building.

## UNIVERSITY HOSPITAL FOUNDATION

May 20, 7 p.m.

Richard Fedorak, Peggy Kirdeikis, Alan Thomson, Dan Sadowski, and Richard Sherbaniuk, "Ulcers, Heartburn, and Other Acid Related Disorders."

May 28, 7 p.m.

Richard Fedorak, Robert Bailey, Donna Fisher, Leah Gramlich, Walter Maksymowych, Alan Thomson, and Bruce Yacyshyn, "Inflammatory Bowel Disease: New Research and Therapies."

Admission to all lectures is free, but an advance ticket is required. Tickets are available at the University Hospital—114 St. West Entrance Information Desk. Info desk hours: Monday to Friday, 7:30 a.m. to 8 p.m., weekends 10 a.m. to 8 p.m.) Information: 492-1644 (recorded message) or 492-8407.

# Advertisements

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OLIVER, spacious executive condominium with spectacular river view. One bedroom, dining/den, sunroom, heated parking, security. \$875. 454-2125.

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KEHEEWIN - NEW EXECUTIVE CONDO, immaculate, furnished, near Heritage Mall, two bedrooms, two full baths, underground parking, main floor unit. \$950/month includes all utilities except phone. Western Relocation, 434-4629.

GLENORA - Villa Avenue. Furnished character home, 3,000', \$2,000/month. September-May, 1998. Western Relocation, 434-4629.

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GAINSBOROUGH - Spectacular view. One bedroom plus den. \$1,000/month. May 1. Western Relocation, 434-4629.

WILKIN ROAD - Luxurious, executive four bedroom, two storey. Double jacuzzi, \$1,600/month. Immediate. Western Relocation Services Ltd, 434-4629.

SOUTHWEST CONDO - Furnished one bedroom, July 1, 6 month lease. \$800/month plus utilities. Western Relocation, 434-4629.

WHEELER ROAD - Exquisite, custom built, two storey, five bedrooms, 3,500'. Commercial kitchen, \$2,000/month. July 1. Lease. Western Relocation, 434-4629.

PRISTINE University-area home. Fully furnished, five bedrooms, five appliances, southyard, large deck, 433-5674. Email: [aurora@planet.eon.net](mailto:aurora@planet.eon.net)

SABBATICAL HOME - Glenora. Fully furnished. Late August/September 1 - June 1998. Non-smokers, no pets. Negotiable. 454-6038.

GULF ISLAND RETREAT - pristine, sunny ocean view; home comfort; minutes from beach. \$475/week. 434-4906, 492-1669.

LANDSDOWNE - Fully furnished family home, maintained garden, rent negotiable. Flexible period - Summer/Fall 1997-Spring/Summer 1998. 492-1067, 434-2960.

THREE BEDROOM, two storey house with or without basement suite. Available May 15. Reasonable negotiable rent. 437-6779.

BEAUTIFUL FOUR BEDROOM, five appliances, double detached garage, landscaped. Seven minutes UofA, direct buses university/downtown, excellent location. Available July 1. No pets. 5607-109 Street, \$950/month. Joyce, 438-4816.

WALK TO UofA - Luxury well-kept houses, 3,4 or 5 bedrooms. South patio, five appliances. Nonsmoking, no pets. Available for short or long term stay. 436-6509.

TWO STOREY, three bedroom character home with fireplace, washer and dryer, double garage, and more. Near University. Available July 1, \$950/month. 436-9640.

SALTSPRING ISLAND. Book this fully equipped house for your holiday. Spacious rooms, sauna, huge deck with seaviews, on over an acre of treed land. Close to beautiful beach. Sleeps 6. \$750 per week. Reasonable long term rates available. All you need bring is food! 426-6887, 963-7967, (250) 537-5585.

NEAR UofA - Two bedroom deluxe, two bathrooms main floor. Owner lower level. Security

monitored, garage, appliances, nonsmoking. References. \$750 shared utilities. Annual lease July 1. 433-6730, phone or fax.

DUPLEX, 2,600 sq ft. New, close to UofA, 7719 - 111 Street. Computer, telex, fireplace, vacuum cleaner system, master bedroom jacuzzi, two showers, huge kitchen, air circulation system, electronic washer, dryer. Stove, fridge, Jenn-Air, microwave, single garage. Immediate. Villa Slavica, 433-3283.

BELGRAVIA - Self-contained basement suite for caring persons. No smokers or pets. 434-7338.

WINDSOR PARK - walk to University. Large bungalow home in crescent, five minutes to campus. Unfurnished, available July 1 for one to two years. Grant, 432-1922, 929-8928.

HOUSESITTER WANTED: two bedroom home, Belgravia, mid-July - September 3. 434-7338.

BEAUTIFULLY DECORATED, furnished home in southwest Edmonton, 25 years old, 1,730'. Available August 1 for two years. No smoking or pets. Security system. \$900/month. (403) 435-6674.

WALK TO U OF A - three bedroom basement suite in new home. Large, sunny, utilities included. No smoking/pets. \$690/month. 436-8331.

OLIVER - Smart one bedroom suite in high-rise. Deluxe renos - slate and sisal flooring, solid maple doors and cabinets throughout. Walk to UofA or downtown. Parking. Dishwasher. \$575. No smokers. No pets. 488-6301.

MILLCREEK - Newer two storey, three bedrooms up, one on lower level, walk-out basement, furnished or unfurnished, \$1,200/month. June 15, 1997 - one or two year lease. Western Relocation, 434-4629.

WESTEND - Classy executive, two storey, two bedrooms upstairs, finished basement, hot tub on deck. Fully furnished. September/October 1997-April 30, 1998. \$1,800/month. Western Relocation, 434-4629.

CHARACTER HOMES - historic area. Millcreek three bedroom brick house \$1,200; Highlands two bedroom, bright, basement suite, near Ada Boulevard, \$360. 477-7036.

## ACCOMMODATIONS FOR SALE

VICTORIA PROPERTIES - Knowledgeable, trustworthy realtor with Edmonton references will answer all queries, send information, no cost/obligation. "Hassle-free" property management provided. (250) 383-7100, Lois Dutton, Duttons & Co. Ltd. #101-364 Moss Street, Victoria B.C. V8V 4N1

CALL NOW!! To buy, sell, lease a condominium, \$44,900-\$695,000. Ask for Connie Kennedy, condo specialist/consultant, 25 years expertise. Re/Max, 488-4000, 1-800-275-8191.

WINDSOR PARK - new listing. Traditional two storey in a quiet location, 2,700 square feet. Five bedrooms, brick fireplace, developed basement. Marjorie King, Prudential Spencer, 483-7170, residence 435-0395.

CLARIDGE HOUSE - \$96,900. 11027-87 Avenue. Highrise penthouse, one bedroom, 1,050 square feet. Fireplace, beautiful river valley view. Ken Ellsworth, Century 21, 439-3300.

UNIVERSITY AREA - 10845-74 Avenue, five bedroom, five appliances. Large southyard with deck off kitchen, two car garage. Only \$124,975. No agents. Possible rent-to-own with \$10,000. down. 403-433-5674. E-mail: [aurora@planet.eon.net](mailto:aurora@planet.eon.net)

LRT at door to UofA - executive, two bedrooms, two bathrooms, fireplace, pool, underground parking, over 1,300', also one 1,284', built as condo, 9th and 6th floors. Westwind Estates,

9809 110 Street, \$109,900 and \$110,200. Ask for Connie Kennedy, Re/Max, 488-4000, 1-800-275-8191, 7 days.

TWO BEDROOM, 1,450' condo, two baths, two underground parking. Two blocks from campus. Beautiful condition, amenities, pool, etc. No agents. 432-7985.

LARGE FAMILY HOME, Old Strathcona close Saskatchewan Drive. Four large bedrooms, family room, new double garage. Handicapped accessible. Walk or cycle University. Jean MacKenzie, Sutton Realty, 438-2500.

WHITEMUD HILLS - executive home, splendid city view from master bedroom, kitchen, family room, deck, four bedrooms, 2 1/2 baths, double garage, 1,900', finished basement with office, sewing room, large storage, walk-in closet. Three years old. \$199,900. 437-1041.

LOCATION, BELGRAVIA. Second to none. Newer two bedroom condo. Underground parking, second floor unit, garden doors, balcony, corner fireplace. Appliances included, underfloor heating, mature treed setting. 11660-79 Avenue, \$139,900. Florence Thompson, Prudential Spencer, 483-7170.

NORTH WINDSOR PARK - two blocks from University. Spacious architect designed home on very large, well-treed lot. Attached double garage. July. \$325,000. 433-4510.

OTTEWELL \$129,900. Bright, renovated, 2+1 bedroom, hardwood, finished basement; large, nicely landscaped, fenced yard; garage, quiet convenient location. By owner. 477-7036.

HISTORIC BRICK HOUSE for sale/rent. Choice location, close to University, Millcreek, river valley, downtown. Two storey, finished basement. Loads of character, good condition, \$199,000. 477-7036.

BEAUTIFUL HIGHLANDS, \$145,000. Lovely bright character home near Ada Boulevard, 2+2 bedrooms, hardwood, fireplace, finished basement. Large nicely landscaped lot. Two garages. By owner. 477-7036.

## ACCOMMODATIONS WANTED

HOUSESITTER: Mature, non-smoking grad, pets welcome, housesitting references, Letter of Agreement, Mark, 455-4351.

YOUNG PROFESSIONAL COUPLE seeks house/condo near UofA for rent or housesitting. 864-242-3667.

HOUSESITTER - quiet, mature, nonsmoking professional lady. Excellent references. Leave message, 917-3227.



## CAMPUS COMPUTING SYMPOSIUM 1997

June 23-27 1997, Tory Lecture Theatres, University of Alberta

Bringing together the *Western Canada Oracle Users Conference*, the *Focus on Industry Conference*, and the *Campus Computing Conference*.

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<http://www.ualberta.ca/SYMPOSIUM/>

(Phone: 492-9370)



# Researcher uncovers chickadee hideaway

By Lee Elliott

If you're hiking in the woods on extremely cold winter nights, you'll want to watch your step.

Dr. Colleen Cassady St. Clair learned to step lightly through deep snow on frigid nights while tracking black-capped chickadees—a miner's lantern on her head and a radio receiver in hand.

She found—and it's believed to be the first time this has been observed—that on the coldest nights, the little birds take refuge in snow holes. "You just see hundreds of these holes when you know what to look for," says St. Clair.

Most nights, the birds roost in tree cavities or spruce boughs. However, by building little simulated chickadees out of flash-light bulbs wrapped in batting and covered with duct tape "skin," St. Clair was able to find what made snow holes so attractive in frigid temperatures. She found the holes were moderately warmer than tree cavities on their own, but the presence of a warm body provided significantly better heat retention over several hours.

This is critical for chickadees, she says. They are rare among winter birds in that they eat insects (along with the odd sunflower seed treat.) During their acrobatic tree forays, they are "mostly picking off the bark and eating the insect larvae underneath." While they look chubby, this spare diet means "they only store enough fat to get them through one winter night."

Chickadees tend to avoid the snow holes on windy days, however. "They somehow seem to know in an evolutionary sense that the snow can blow in." They typically don't use the holes on warm nights—most likely because the ground roost makes them easier prey for small animals.

St. Clair's discovery was a research bonus. "I wanted to work on the effects of forest fragmentation on a species in winter," she says. The four main industries in Alberta: oil and gas, agriculture, forestry and tourism all depend on forests. "I think there's emerging a tiny bit of conflict in the ways forests are used," she says.

"The intention of a larger study was to be able to tell landowners what attributes of their woodlots will enhance bird diversity," and to determine the utility of fence rows as corridors for bird movement. For this, St. Clair conducted an extensive census of 80 woodlots and compared how willing birds are to travel the tree-lined corridors or to cross an open gap between woodlots. To test "gap crossing" they attracted birds by playing tapes of "mobbing calls"—agitated chickadee calls with the odd nuthatch beep thrown in.

For the roost site information, she and her assistants trapped over a hundred birds (several times over) and attached half-gram radio tag backpacks to several. They tried a variety of trapping methods, mist nets,



Black-capped chickadee



Tying radio-transmitters on a bird

modified squirrel traps, and—once they discovered the snow holes—merely putting a net over the hole. This was a welcome innovation, as one bird took about 20 hours to capture in a cage. "It simplified the logistics for sure," says St. Clair.

While much more analyses are needed, St. Clair says some trends are evident from the census. A mixture of types of trees and shrubs promotes wildlife diversity; cattle grazing seems to de-



Chickadee flees its snow hole

crease diversity. And, while "corridors in the form of fence rows serve as very effective links for up to 200 metres, the birds are much less likely to cross gaps greater than 50 metres."

St. Clair previously studied penguins in the sub-Antarctic Islands and was attracted to the U of A for her post-doctoral studies by Dr. Susan Hannon. "I think my penguin background tipped her off that I could do winter work," says St. Clair, "Al-



Colleen Cassady St. Clair

though it never gets as cold in the sub-Antarctic Islands as it does here."

She's also studying puffins on the west coast. "My parents have joked that I'm in a bit of rut," she says, "I only study black and white birds." ■

*Dr. Colleen Cassady St. Clair is a Killam Post-doctoral Fellow. Her project is also funded under the Biodiversity Grants Program.*

## Sportsmen fund biodiversity research

Sportsmen in Alberta have supported a total of 52 U of A researchers since 1995 in a unique Biodiversity Grant Program.

Dr. Bill Samuel, Department of Biological Sciences, coordinates the program funded by the provincial Department of Environmental Protection with money donated by sportsmen purchasing hunting licences.

Environmental Protection Minister Ty Lund was on campus, May 5 at an

Alumni House reception to meet researchers funded through the program and to present a cheque for \$250,000. He was joined by Glen Semenchuk, the new chair of a public trust group—the Alberta Conservation Association—established to administer the funds.

Sportsmen came up with the idea says Samuel and "it seems to be a win-win program. The environment benefits, graduate students benefit and sports people benefit." It's a major step forward in

thinking for hunters, he says. "They are realizing a dragonfly is as important as a moose."

The average grant over three years is \$9,501, he says. The money funds graduate studies in areas that will result in a better understanding of basic biology of Alberta flora and fauna and research must be done in Alberta. As a result, most funds go to the Universities of Alberta and Calgary.

The U of A has received 52 grants and the U of C, 12. Oxford and Cambridge

have each had one researcher funded, as has UBC, Simon Fraser, Guelph, de Sherbrooke and the University of Lethbridge.

The \$250,000 annual investment in future environmental biologists will be worth millions in spinoff benefits, says Samuel. "I'm excited for the program and the students in the program. It kind of makes the long days worthwhile." ■